

character to the science. The liberality of former sovereigns has placed in his charge a magnificent collection of instruments, which, in his keeping, are really at the service of civilised Europe. He is Director of the Altona Observatory, to which we this year owe the discovery of two comets, all that have been discovered. If, indeed, we were to attempt to particularise the services which the Professor has rendered to astronomy, or even those which he has especially conferred on our own nation, we should have a very long list to set forth. His residence at Altona, adjoining the great mart of Hamburgh, in the great thoroughfare between Germany and the world west of it, has essentially contributed to his usefulness; in any other position, he could not effectually have executed his mission. What your Council apprehended was, that the propriety of leaving the Professor absolutely undisturbed, might not appear so obvious to the commissioners for effecting a reconciliation between the kingdom and the duchies, as it is to astronomers. Your Council, therefore, has taken the unusual step of requesting Lord Palmerston, if he can find a proper opportunity, to plead in the Professor's behalf. We all, as cultivators of astronomy, have lasting obligations to the Professor, and feel that any interruption of his avocations will be felt as a most grievous blow wherever an astronomer or an observatory is to be found. Let us hope that, as great pecuniary interests or questions touching national honour are not involved, the contending parties will acquiesce in the unanimous prayer of so many persons, and allow our excellent associate to finish his exemplary course in all honour and tranquillity.

*Titles of Papers read before the Society between February 1848
and February 1849.*

1848.

- Mar. 10. Elements of *Neptune*. Mr. S. C. Walker.
 Note on the Satellites of *Uranus*. M. O. Struve.
 Elements of *Flora*. Mr. Graham.
 Notice of Double Stars. Rev. W. R. Dawes.
 Observations of *Flora*. Lieut. Maury.
 Ephemeris of *Flora*. Mr. Hind.
 Observations of Planets made at the Observatory, Durham. Professor Chevallier.
 Ephemeris of *Flora*. M. Brunnnow.
 Observations of newly discovered Planets. M. Rümker.
 Observations of *Iris*. Mr. Cooper.
 MS. Collection of Observations of Solar Spots. Rev. Dr. Hussey.
 On Planetary Motions. Mr. Davison.
 Observations of *Flora*. Sir Thomas Brisbane.

- Annular Eclipse of the Sun, Oct. 9, 1847. Major Lysaght.
 On the Inner Satellites of *Uranus*. Rev. W. H. Dawes.
 Observations of Mauvais' Comet. Professor Challis.
 On the Level Errors of the Greenwich and Cambridge
 Transits. Mr. Henry.
 On Binocular Telescopes. Mr. Vallack.
 Measures of Southern Double Stars, &c. Captain Jacob.
 Observations of Moon and Moon-culminating Stars. Mr.
 Dell.
- April 14. On a remarkable Appearance during the Lunar Eclipse,
 March 19, 1848. Dr. Forster.
 On a remarkable Appearance during the Lunar Eclipse,
 March 19, 1848. Mr. Walkey.
 Observations of Mauvais' Comet, &c. Mr. W. C. Bond.
 On the Satellites of *Uranus*, &c. M. O. Struve.
 On Engraving primary Information on Seamen's Watches.
 Mr. Drach.
 On a Parhelion seen near Oxford, March 29, 1848. Rev.
 J. Slatter.
 Observations of Mauvais' Comet. Mr. Lassell.
 Observations of small Planets. Professor Challis.
 Elements of *Flora*. Mr. Boreham.
- May 12. Observations of *Iris*. Dr. Kaiser.
 Notice of Discovery of a New Planet. Mr. Graham.
 Errors in Lalande and Groombridge's Catalogues. M. Faye.
 Observations of small Planets, &c. M. Rümker.
 Notice of Discovery of a New Star in *Ophiuchus*. Mr.
 Hind.
 Observations of Moon-culminating Stars. M. Jahn.
 On the Longitude of Poona. Mr. H. Breen, jun.
 Observations of Mr. Graham's Planet. M. Rümker.
 Observations of *Metis* at Hartwell. Mr. Hind.
 On a new Formula for reducing Observations of Circum-
 polar Stars, &c. Captain Shortrede.
 Double Stars measured at Poona. Captain Jacob.
 On a regulated Time Ball. Professor Chevallier.
 On a regulated Time Ball and Observations for finding
 the Latitude by means of a Portable Transit Instru-
 ment. Professor Chevallier.
 Three Letters to Sir J. Herschel, respecting the New Star
 in *Ophiuchus*. Mr. Hind.
 Extract of Letter to Mr. Hind respecting the New Planet.
 Mr. Graham.
 On the New Star in *Ophiuchus*. M. Petersen.
- June 9. Observations of *Metis*. Professor Chevallier.
 Observations of *Metis* and Hind's New Star. M.
 Petersen.
 Observations of *Metis*. Professor Chevallier.
 Observations of *Flora*. Professor Chevallier.
 First Elements of *Metis*. Mr. Graham.

- Ephemeris of *Metis*. Mr. Hind.
- On a Method of approximating to the distance of a Planet from the Sun by means of two observations only, made near the Planet's Opposition. Professor Chevallier.
- Eclipses of *Jupiter's* First Satellite, &c. observed at Charlotte Town, Prince Edward's Island. Captain Bayfield.
- On the Lunar Eclipse of May 19, 1848. Rev. C. Mayne.
- Corrections of the Elements of the Moon's Orbit, deduced from the Lunar Observations made at the Royal Observatory of Greenwich, from 1750 to 1830. The Astronomer Royal.
- Notice of N. Kratzer, Horologier to Henry VIII. Colonel Batty.
- Letter accompanying the Portrait of Captain Middleton, Founder of the Mathematical Society. Dr. Lee.
- On the Planet *Neptune*. Messrs. Walker and Pierce.
- On the State of the Edinburgh Observatory. Professor C. P. Smyth.
- On the Latitude of Dera, and the Attraction of the Himalayas. Captain Shortrede.
- On a Method of finding the Error and Rate of a Chronometer, from the observed Transits of Three Stars near the Meridian. Captain Shortrede.
- On the Difference of Longitude between Paramatta and Port M'Quarrie. Captain Stanley.
- On the figure of a Constellation on an ancient Punic Monument. M. Honegger.
- On the Great Comet of 1843. Mr. Webb.
- Nov. 10. Various Observations, &c. M. Rümker.
- Notice of Ephemerides required shortly. Mr. Hind.
- Encke's Comet with Ephemeris. Mr. Hind.
- On *Iris* with an Ephemeris. Mr. Hind.
- Elements of the Comet of 1847. Mr. Pogson.
- Observations of *Flora* and *Metis*. Professor Challis.
- Ephemeris of *Neptune*. Mr. Adams.
- Ephemeris of *Metis*. Mr. Graham.
- Observations of *Metis*. Mr. Graham.
- Observations of *Flora*. Mr. Graham.
- Notice of Errata. Mr. Woollgar.
- Mean Places of Stars compared with Mauvais' Comet. Mr. Maclear.
- Announcement of the Discovery of Petersen's Comet, Aug. 7, 1848, with Observations. Professor Schumacher.
- On various Subjects, and Observations of Encke's Comet. Mr. Hind.
- Observations of *Flora*. Messrs. Broun and Welsh.
- Parallel between A. S. Catalogue and B. A. Catalogue. Mr. Woollgar.

- Observations of *Neptune*. Mr. Thompson.
 Observations of *Neptune* and smaller Planets. Professor Challis.
 Discovery of an Eighth Satellite of *Saturn*. Mr. Lassell.
 Observations, &c. M. Rümker.
 Account of Star-sweeps for Maps, &c. at Markree. Mr. Cooper.
 Observations of Solar Spot, &c. Rev. A. Weld.
 Letter to Mr. Hind. Professor Colla.
 Observations of Encke's Comet. Professor C. P. Smyth.
 Various Observations. M. Rümker.
 On Determining the Intervals between Transit Wires, &c. Mr. Drew.
 Observations, &c. M. Rümker.
 On Epicyclical Curves. Mr. Drach.
 Observations of Mauvais' Comet, &c. Mr. W. C. Bond.
 On the Discovery of the Eighth Satellite of *Saturn*. Hon. E. Everett.
 On the Discovery of the Eighth Satellite of *Saturn*. Mr. W. C. Bond.
 Observations of Petersen's Comet. M. Rümker.
 Announcement of the Discovery of Petersen's Second Comet, with Observations. Professor Schumacher.
 On a New Theory of Physical Astronomy. Mr. Best.
 On the Transit of *Mercury*, Nov. 9, 1848. Mr. Riddle.
 Corrections of the Elements of the Orbit of *Venus*. Mr. H. Breen, jun.
 Elements of Petersen's New Comet. M. Rümker.
 On the Observatory at Cambridge, U. S. Hon. E. Everett.
 On the Discovery of the Eighth Satellite of *Saturn*. Mr. Lassell.
 On an Expedition for ascertaining the Parallax of *Venus*, &c. Lieut. Gilliss.
 Dec. 8. Various Observations. M. Encke, Mr. Cooper, &c.
 Observation of Petersen's Second Comet. Professor Schumacher.
 Elements of Petersen's Second Comet. M. Rümker.
 Account of the Transit of *Mercury*. Dr. Forster.
 Two Communications on Petersen's Second Comet. Professor Schumacher.
 Occultations observed at Ashurst. Mr. Snow.
 On the Figure of the Earth. Mr. Rowbotham.
 Observations of the Transit of *Mercury*. Mr. Dell.
 Observations of the Transit of *Mercury*. Rev. J. B. Reade.
 On the Variability of λ *Tauri*. Mr. Baxendell.
 Observations of *Flora*. M. Rümker.
 Observations of the Moon and Moon-culminating Stars. M. Rümker.
 On a Machine for polishing Specula. Mr. Lassell.

- Description of the Liverpool Equatoreal and Observations. Mr. Hartnup.
 Observations of Transit of *Mercury*. Mr. Lassell.
 Observations of Transit of *Mercury*. Professor Challis.
 Observations of Transit of *Mercury*. Mr. Snow.
 On a Mode of Observing with the Northumberland Equatoreal and of reducing the Observations. Professor Challis.
 Observations of Petersen's Second Comet. Professor Challis.
 Observations of *Neptune*. Mr. Hartnup.
 Observation of the Transit of *Mercury*. Rev. W. R. Dawes.
1849.
 Jan. 12. Elements of Petersen's Second Comet. Mr. Pogson.
 On the Chronology of Lunations. Dr. Forster.
 On finding the place of a Ship by a single Altitude. Captain Leighton.
 Diagram of the Transit of *Mercury*. Rev. J. B. Reade.
 Observations of Petersen's Second Comet. Mr. Boreham.
 Observations of Petersen's Second Comet. Mr. W. C. Bond.
 Ephemeris of *Iris*. Mr. Hind.
 On the Transit of *Mercury*. Mr. Hartnup.
 On that part of the Equation of Time which depends on the Obliquity of the Ecliptic. Mr. J. Riddle.
 Observations of *Hebe* and of Petersen's Second Comet. M. Rümker.
 Ephemeris of *Metis*. Mr. Graham.
 Observations of *Neptune* and *Iris*. Mr. Hartnup.
 Observations of Petersen's Comet. Mr. Hartnup.
 Observation of the Transit of *Mercury*. Professor Chevallier.

List of Public Institutions and of Persons who have contributed to the Society's Library, &c. since the last Anniversary.

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